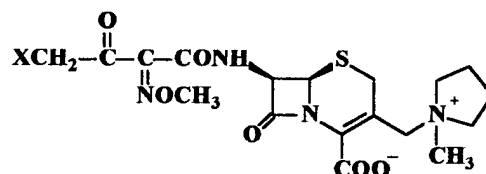


**ABSTRACT**

A novel process is disclosed for the preparation of Cefepime, a cephalosporin antibiotic, using novel new intermediates of the general Formula,

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where *X* represents *Bromine* or *Chlorine*  
atom

This process comprises the step of cyclizing the bromo or chloro intermediate with thiourea to produce Cefepime of high purity. A process to prepare bromo or chloro intermediate comprising the acylation of 7-Amino-3-[(1-methyl-1-pyrrolidinium)methyl]-3-cephem-4-carboxylate with 4-halo-2-methoxyimino-3-oxobutyric acid halide is also described.

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